

HUBR-1295-US - SEQUENCE LISTING.txt
SEQUENCE LISTING

<110> Max Planck Gesellschaft zur Foerderung der Wissensc

<120> Substance binding human IgG Fc receptor IIb (Fc gamma RIIB)

<130> 30287P_WO HC

<140> PCT/EP2004/013450

<141> 2004-11-26

<150> EP03027000.3

<151> 2003-11-26

<160> 11

<170> PatentIn Ver. 2.1

<210> 1

<211> 172

<212> PRT

<213> human

<220>

<223> Fc gamma RIIA

<400> 1

Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro Trp Ile Asn Val
1 5 10 15

Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Gln Gly Ala Arg Ser Pro
20 25 30

Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr
35 40 45

His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly
50 55 60

Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His
65 70 75 80

Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu
85 90 95

Phe Gln Glu Gly Glu Thr Ile Met Leu Arg Cys His Ser Trp Lys Asp
100 105 110

Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Gln Lys
115 120 125

Phe Ser Arg Leu Asp Pro Thr Phe Ser Ile Pro Gln Ala Asn His Ser
130 135 140

His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Phe
145 150 155 160

Ser Ser Lys Pro Val Thr Ile Thr Val Gln Val Pro
165 170

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<210> 2
<211> 172
<212> PRT
<213> human

<220>
<223> Fc gamma RIIb

<400> 2
Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val
1 5 10 15
Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser Pro
20 25 30
Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr
35 40 45
His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly
50 55 60
Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His
65 70 75 80
Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu
85 90 95
Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp
100 105 110
Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Lys Lys
115 120 125
Phe Ser Arg Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser
130 135 140
His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Tyr
145 150 155 160
Ser Ser Lys Pro Val Thr Ile Thr Val Gln Ala Pro
165 170

<210> 3
<211> 13
<212> PRT
<213> human

<220>
<223> glycopeptide CDE [126-137]

<400> 3
Ser Lys Lys Phe Ser Arg Ser Asp Pro Asn Phe Ser Gly
1 5 10

<210> 4
<211> 312
<212> DNA
<213> Unknown Organism

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<220>

<221> CDS

<222> (1)..(312)

<223> variable light region of mAb GB3

<220>

<223> Description of Unknown Organism: sequence comprised by an antibody

<400> 4

aga	att	cag	ctg	acc	cag	tct	cca	tcc	tcc	tta	tct	gcc	tct	ctg	gga	48
Arg	Ile	Gln	Leu	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Leu	Gly	
1															15	

gaa	aga	gtc	agt	ctc	act	tgt	cgg	gca	agt	cag	gaa	att	agt	ggt	tac	96
Glu	Arg	Val	Ser	Leu	Thr	Cys	Arg	Ala	Ser	Gln	Glu	Ile	Ser	Gly	Tyr	
															30	
20																

tta	agc	tgg	ctt	cag	cag	aaa	cca	gat	gga	act	att	aaa	cgc	ctg	atc	144
Leu	Ser	Trp	Leu	Gln	Gln	Lys	Pro	Asp	Gly	Thr	Ile	Lys	Arg	Leu	Ile	
															35	
															40	
															45	

tac	gcc	aca	tcc	gct	tta	gat	tct	ggt	gtc	cca	aaa	agg	ttc	agt	ggc	192
Tyr	Ala	Thr	Ser	Ala	Leu	Asp	Ser	Gly	Val	Pro	Lys	Arg	Phe	Ser	Gly	
															50	
															55	
															60	

agt	ggg	tct	ggg	tca	aat	tat	tct	ctc	acc	atc	agc	agc	ctt	gag	tct	240
Ser	Gly	Ser	Gly	Ser	Asn	Tyr	Ser	Leu	Thr	Ile	Ser	Ser	Leu	Glu	Ser	
															65	
															70	
															75	
															80	

gaa	gat	ttt	gca	gac	tat	tac	tgt	cta	caa	tat	gct	aat	tat	ccg	tac	288
Glu	Asp	Phe	Ala	Asp	Tyr	Tyr	Cys	Leu	Gln	Tyr	Ala	Asn	Tyr	Pro	Tyr	
															85	
															90	
															95	

acg	ttc	gga	ggg	ggg	acc	aag	ctg									312
Thr	Phe	Gly	Gly	Gly	Thr	Lys	Leu									
															100	

<210> 5

<211> 104

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: sequence comprised by an antibody

<400> 5

Arg	Ile	Gln	Leu	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Leu	Gly	5
1															10	

Glu	Arg	Val	Ser	Leu	Thr	Cys	Arg	Ala	Ser	Gln	Glu	Ile	Ser	Gly	Tyr	20
															25	
															30	

Leu	Ser	Trp	Leu	Gln	Gln	Lys	Pro	Asp	Gly	Thr	Ile	Lys	Arg	Leu	Ile	35
															40	
															45	

Tyr	Ala	Thr	Ser	Ala	Leu	Asp	Ser	Gly	Val	Pro	Lys	Arg	Phe	Ser	Gly	50
															55	
															60	

Ser	Gly	Ser	Gly	Ser	Asn	Tyr	Ser	Leu	Thr	Ile	Ser	Ser	Leu	Glu	Ser	65
															70	
															75	
															80	

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Glu Asp Phe Ala Asp Tyr Tyr Cys Leu Gln Tyr Ala Asn Tyr Pro Tyr
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu
100

<210> 6
<211> 312
<212> DNA
<213> Unknown Organism

<220>
<221> CDS
<222> (1)..(312)
<223> variable heavy region of mAb GB3

<220>
<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 6
gtg cag ctg cag cag tct gga cct gag ctg gtg aag cct ggg gct tca 48
Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala Ser
1 5 10 15

gtg aag att tcc tgc aag gct tct ggc tac acc ttc act gac tac tat 96
Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Tyr
20 25 30

ata tac tgg gtg aaa cag tgg cct gga cag gga ctt gag tgg att gga 144
Ile Tyr Trp Val Lys Gln Trp Pro Gly Gln Gly Leu Glu Trp Ile Gly
35 40 45

tgg att ttt cct gga act ggt aat act tac tac aat gaa aac ttc aag 192
Trp Ile Phe Pro Gly Thr Gly Asn Thr Tyr Tyr Asn Glu Asn Phe Lys
50 55 60

gac aag gcc aca ctt act ata gat aga tcc tcc agc aca gcc tac atg 240
Asp Lys Ala Thr Leu Thr Ile Asp Arg Ser Ser Thr Ala Tyr Met
65 70 75 80

ttg ctc ggc agc ctg acc tct gag gac tct gcg gtc tat ttc tgt tat 288
Leu Leu Gly Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys Tyr
85 90 95

ggt ccg ttt gct tac tgg ggc caa 312
Gly Pro Phe Ala Tyr Trp Gly Gln
100

<210> 7
<211> 104
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 7

HUBR-1295-US - SEQUENCE LISTING.txt

Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala Ser
 1 5 10 15

Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Tyr
 20 25 30

Ile Tyr Trp Val Lys Gln Trp Pro Gly Gln Gly Leu Glu Trp Ile Gly
 35 40 45

Trp Ile Phe Pro Gly Thr Gly Asn Thr Tyr Tyr Asn Glu Asn Phe Lys
 50 55 60

Asp Lys Ala Thr Leu Thr Ile Asp Arg Ser Ser Ser Thr Ala Tyr Met
 65 70 75 80

Leu Leu Gly Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys Tyr
 85 90 95

Gly Pro Phe Ala Tyr Trp Gly Gln
 100

<210> 8

<211> 309

<212> DNA

<213> Unknown Organism

<220>

<221> CDS

<222> (1)..(309)

<223> variable light region of mAb CE5

<220>

<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 8

gag ctc acc cag tct cca gcc tcc ctt tct gcg tct gtg gga gaa act 48
 Glu Leu Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly Glu Thr
 1 5 10 15

gtc acc atc aca tgt cga gca agt ggg aat att cac aat tat tta gca 96
 Val Thr Ile Thr Cys Arg Ala Ser Gly Asn Ile His Asn Tyr Leu Ala
 20 25 30

tgg tat cag cag aaa cag gga aaa tct cct cag ctc ctg gtc tat tat 144
 Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val Tyr Tyr
 35 40 45

aca aca acc tta gca gat ggt gtg cca tca agg ttc agt ggc agt gga 192
 Thr Thr Thr Leu Ala Asp Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
 50 55 60

tca gga aca caa tat tct ctc aag atc aac agc ctg caa cct gaa gat 240
 Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asn Ser Leu Gln Pro Glu Asp
 65 70 75 80

ttt ggg agt tat tac tgt caa cat ttt tgg agt act cct cgg acg ttc 288
 Phe Gly Ser Tyr Tyr Cys Gln His Phe Trp Ser Thr Pro Arg Thr Phe
 85 90 95

ggt gga ggg acc aag ctc gag 309

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Gly Gly Gly Thr Lys Leu Glu
100

<210> 9

<211> 103

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 9

Glu Leu Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly Glu Thr
1 5 10 15

Val Thr Ile Thr Cys Arg Ala Ser Gly Asn Ile His Asn Tyr Leu Ala
20 25 30

Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val Tyr Tyr
35 40 45

Thr Thr Thr Leu Ala Asp Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
50 55 60

Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asn Ser Leu Gln Pro Glu Asp
65 70 75 80

Phe Gly Ser Tyr Tyr Cys Gln His Phe Trp Ser Thr Pro Arg Thr Phe
85 90 95

Gly Gly Gly Thr Lys Leu Glu
100

<210> 10

<211> 339

<212> DNA

<213> Unknown Organism

<220>

<221> CDS

<222> (3)..(338)

<223> variable heavy region of mAb CES

<220>

<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 10

tg cag gag tca gga cct ggc ctg gtg gcg ccc tca cag agc ctg tcc 47
Gln Glu Ser Gly Pro Gly Leu Val Ala Pro Ser Gln Ser Leu Ser
1 5 10 15

atc aca tgc acc gtc tca ggg ttc tca tta acc ggc tat ggt gta aac 95
Ile Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Gly Tyr Gly Val Asn
20 25 30

tgg gtt cgc cag cct cca gga aag ggt ctg gag tgg ctg gga atg att 143
Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Leu Gly Met Ile
35 40 45

HUBR-1295-US - SEQUENCE LISTING.txt

tgg ggt gat gga aac aca gac tat aat tca gct ctc aaa tcc aga ctg	191
Trp Gly Asp Gly Asn Thr Asp Tyr Asn Ser Ala Leu Lys Ser Arg Leu	
50 55 60	
agc atc agc aag gac aac tcc aag agc caa gtt ttc tta aaa atg aac	239
Ser Ile Ser Lys Asp Asn Ser Lys Ser Gln Val Phe Leu Lys Met Asn	
65 70 75	
agt ctg cac act gat gac aca gcc agg tac tac tgt gcc aga gag aga	287
Ser Leu His Thr Asp Asp Thr Ala Arg Tyr Tyr Cys Ala Arg Glu Arg	
80 85 90 95	
gat tat agg ctt gac tac tgg ggc caa ggg acc acg gtc acc gtc tcc	335
Asp Tyr Arg Leu Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser	
100 105 110	
tca g	339
Ser	

<210> 11
<211> 112
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 11	
Gln Glu Ser Gly Pro Gly Leu Val Ala Pro Ser Gln Ser Leu Ser Ile	
1 5 10 15	
Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Gly Tyr Gly Val Asn Trp	
20 25 30	
Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Leu Gly Met Ile Trp	
35 40 45	
Gly Asp Gly Asn Thr Asp Tyr Asn Ser Ala Leu Lys Ser Arg Leu Ser	
50 55 60	
Ile Ser Lys Asp Asn Ser Lys Ser Gln Val Phe Leu Lys Met Asn Ser	
65 70 75 80	
Leu His Thr Asp Asp Thr Ala Arg Tyr Tyr Cys Ala Arg Glu Arg Asp	
85 90 95	
Tyr Arg Leu Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser	
100 105 110	